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APPLICATION**

Application Number	09/655,295
Filing Date	September 5, 2000
First Named Inventor	David Ross CHERITON
Group Art Unit	Not Assigned
Examiner Name	Not Assigned
Attorney Docket Number	102.1061.01

I hereby appoint:

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Name	Registration Number

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I am the:

☐ Applicant.

☒ Assignee of record of the entire interest  
*Certificate under 37 CFR 3.73(b) is enclosed*

**SIGNATURE of Applicant or Assignee of Record**

Name	Robert Barr, Worldwide Patent Counsel
Signature	
Date	OCT 12 2000

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PATENT TRADEMARK OFFICE

PTO/SB/96 (6-98)  
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**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: David Ross CHERITON

Application No./Patent No.: 09/655,295 Filed/Issue Date: September 5, 2000

Entitled: M-trie Plus: Extended TRIE Based Packet Lookup Processing

Cisco Technology, Inc., a Corporation,  
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

- 1. ☒ the assignee of the entire right, title, and interest; or
- 2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

- 1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
- 2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
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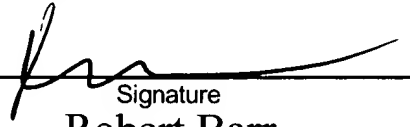
☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached.

**NOTE:** A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

OCT 12 2000  
Date

  
Signature  
Robert Barr  
Typed or printed name  
Worldwide Patent Counsel  
Title



22883

PATENT TRADEMARK OFFICE

102.1061.01

COPY

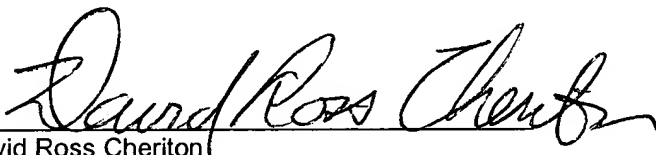
## ASSIGNMENT

WHEREAS, I, David Ross Cheriton, a citizen of Canada, residing at 131 Cowper Street, Palo Alto, California 94301, have invented a "**M-trie Plus: Extended TRIE Based Packet Lookup Processing**" for which we have executed application papers for a U.S. patent thereon, which was filed on **September 5, 2000, Serial No. 09/655,295**; and

WHEREAS Cisco Technology, Inc., a California corporation, having a place of business at 170 West Tasman Drive, San Jose, California 95134-1706, is desirous of acquiring the exclusive right, title and interest in and to said invention and in and to the Letters Patent to be granted and issued therefor in the United States of America and its territories and possessions, and in all countries foreign thereto;

NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, I, David Ross Cheriton, do sell, assign, transfer and set over unto the said Cisco Technology, Inc., its successors and assigns, the full and exclusive right, title and interest in and to said invention, and in and to any and all letters patent to be granted and issued therefor, not only for, to and in the United States of America, its territories and possessions, but also for, to and in all other countries including all priority rights under the International Convention; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said Cisco Technology, Inc., its successors and assigns, in accordance with this Assignment.

WITNESS OUR HAND at Palo Alto, CA, this 5<sup>th</sup> day of October, 2000.

  
David Ross Cheriton